

L 43832-66 EWT(m)/EWP(j)/T IJP(c) WW/RM

ACC NR: AP6030597

(A, N)

SOURCE CODE: UR/0413/66/000/016/0090/0090

INVENTOR: Makharinskiy, Ye. G.; Smeylov, V. I.; Mironov, A. K.; Shakhev, V. A.;
Dimitriyenko, I. P.; Suminov, V. I.; Avdeyev, V. A.

ORG: none

TITLE: Production process for cylinders of laminated plastics. Class 39, No. 185046
[announced by the Independent Special Design and Technical Bureau (Samostoyatel'noye
spetsial'noye konstruktorsko-tehnicheskoye byuro); State Scientific-Research
Institute of Plastics (Gosudarstvennyy nauchno-issledovatel'skiy institut
plasticheskikh mass)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 90

TOPIC TAGS: reinforced plastic, laminated plastic

ABSTRACT: An Author Certificate has been issued for a production process for
laminated plastic cylinders involving the winding of a pre-impregnated and dried
strip of filler onto a rotating mandrel and molding of the laminated material. To
enhance the mechanical strength of the cylinder walls, the molding is carried out by
pressing between the mandrel and a heated roll. [SM]

SUB CODE: 11/ SUBM DATE: 14Jul64/ ATD PRESS: 5072

Card 1/1 fv

UDC: 678.027.2

3 S
13

L 04281-67 EWP(k)/EWT(m)/T/EWP(v)/ENP(t)/ETI XJP(c) JD/HM/HW
ACC NR: AP6013230 SOURCE CODE: UR/0413/66/000/008/0014/0014

AUTHOR: Dmitriyev, B. M.

ORG: none

TITLE: A method for manufacturing plate-and-tube products. Class 7, No. 180558

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 14

TOPIC TAGS: metal rolling, metal bonding, metal joining, metalworking, METAL TUBE,
SHET METAL

ABSTRACT: This Author Certificate presents a method for manufacturing plate-and-tube products. The method includes the process of rolling a two-layer metal by contoured rollers. To insure a simultaneous cold joining and rib forming in the course of rolling, the latter process is conducted under a partial compression without elongating. The plastic flow of metal from the zone of deformation produces transverse discontinuous ribs. The longitudinal ribless portions then have canals blown into them with the help of compressed air.

SUB CODE: 13/ SUBM DATE: 19Jan63

Bimetal /18

me
Card 1/1

UDC: 621.771.8.09

ACC NR: AT6035244

SOURCE CODE: UR/3043/66/000/005/0187/0196

AUTHOR: Dmitriyev, V. I.; Zakharov, Ye. V.

ORG: none

TITLE: Diffraction of a plane electromagnetic field on an ideally conducting half-plane immersed in a uniform half-space

SOURCE: Moscow. Universitet. Vychislitel'nyy tsentr. Sbornik rabot, no. 5, 1966. Vychislitel'nyye metody i programmirovaniye (Computing methods and programming), 187-196

TOPIC TAGS: electromagnetic field, ~~diffraction~~, ideal conductor, mathematic analysis

ABSTRACT: A rigorous solution of the problem on an ideally conducting half-plane located vertically in a uniformly conducting half space has been given. It has also been shown that the solution of the problem reduces to solving a certain integral equation a half-line with a nucleus depending on the difference of the arguments and their sum. A method of finding the analytical form of solving this equation has been proposed. The present article examines the general statement of the problem of diffraction of a plane electromagnetic field in an ideally conducting half-plane situated at an angle to the vertical in a homogeneous conducting half-space. The problem also reduces to solving an integral equation on the half-line, but with a nucleus of more complex aspect. Known methods are used to solve this integral equation and the paper computes the accuracy of the solution in relation to the angle of incline of the

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ACC NR: AT6035244

half-plane and its depth. A two-layered medium is prescribed. When $z > 0$ the air has wave number k_0 ; when $z < 0$ there is a uniform space (conducting) with a wave number of k . In the conducting medium, disregarding the displacement currents, there is the wave number $k = (1 + i)k$; time dependence is $e^{-i\omega t}$. At depth h in the conducting half-space is located an ideally conducting half-plane at angle α to the vertical. The primary field does not depend on coordinate x , hence the whole field is likewise independent of x , and consists of the sum of fields of two types, the electric and the magnetic. The problem involves boundary conditions which are solved by functions of components of these two fields; it is simplified by selecting a rectangular system of coordinates and solved in the form of potentials of the simple and dual layers. Orig. art. has: 14 formulas and 1 figure.

SUB CODE: 12, 20/ SUBM DATE: none/ ORIG REF: 002

Card 2/2

ACC NR: AP6035900

(A)

SOURCE CODE: UR/0413/66/000/020/0141/0142

INVENTOR: Dmitriyev, V. M.; Kudryashova, A. A.

ORG: none

TITLE: Vibration stand for testing aircraft-undercarriage shock struts. Class 42,
No. 187369

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 20, 1966,
141-142

TOPIC TAGS: aircraft landing gear, aircraft test, shock strut, ~~vibration~~ test
stand

ABSTRACT: An Author Certificate has been issued for a vibration stand for testing aircraft-undercarriage shock struts, which consists of a base, a housing in which to mount the part being tested, a pneumatic loading device with guide rails, and an electric motor. In order to closely simulate an aircraft's roll after landing on an unpaved airfield, it includes a console-type table to which vibration is transmitted by an electric motor through a crank and connecting-rod mechanism; the use of a flywheel provides attenuated vibrations to the above-mentioned table after the electric motor has been switched off. Orig. art. has: 1 figure.

SUB CODE: 01/ SUBM DATE: 04Jan65/

Card 1/1

UDC: 620.178

L 04896-67 EWP(j)/EWP(k)/EWT(d)/EWT(m)/EWP(h)/EWP(l)/EWP(v) IJP(c) RM/DJ/GD
ACC NR: AT6021743 SOURCE CODE: UR/0000/66/000/000/0185/0188

AUTHOR: Dmitriyev, V. N.

ORG: none

43
8+1

TITLE: Continuous ball-type pneumatic instruments 14

SOURCE: AN SSSR. Institut avtomatiki i telemekhaniki, Pnevmoavtomatika (Pneumatic automation). Moscow, Izd-vo Nauka, 1966, 185-188

TOPIC TAGS: pneumatic device, pressure regulator, mechanical engineering

ABSTRACT: Three instruments constructed with the use of ball elements are described. The ball element is a cylinder inside which a metal ball rolls freely. The difference of diameters of the channel and the ball is approximately 0.008—0.012 mm. If pressure is applied to the channel, the ball will develop a force equal to the product of the area of its great circle and the pressure. The movements of the ball during the operation of the instrument are usually such that its center does not extend beyond the limits of the cylindrical channel, therefore, the effective area of the ball remains constant since the conditions of flow past the ball remain practically constant. Such a ball element can be used as a power element with a small effective area in place of rubber-fabric membranes. The three instruments described are a ball pneumatic

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L 04896-67

ACC NR: AT6021743

summator performing the mathematical operation $P_{out} = P_1 + P_2 - P_3$, where P_1 , P_2 , P_3 are the input pressures and P_{out} is the output pressure; a pressure reducer; and a pressure booster. Pneumatic ball-type instruments have advantages over membrane instruments in that they have a simpler design and are smaller, act more quickly since the chamber of the ball element is smaller than a membrane chamber, the effective area of the ball power elements is virtually constant on a change of applied pressures within a range of $0-1 \text{ kg/cm}^2$, and with the properly selected materials of the ball and channel, a change of temperature within a wide range has no effect on the instrument's operation. The main shortcomings of ball-type instruments are: the presence of a gap between the ball and the cylindrical channel which leads to a loss of the power of signals sent to the ball elements; the ball elements have a finite input resistance and the resistance cannot be made very large; and they have a tendency toward auto-oscillation owing to small damping. Orig. art. has: 7 figures.

SUB CODE: 14/ SUBM DATE: 03Feb66/ OTH REF: 001

Card 2/2

L 02970-67 EWT(m)/EWP(v)/T/EWP(t)/ETI/EWP(k) IJP(c) JD/HM/HW/GD/JH

ACC NR: AT6032628 (N) SOURCE CODE: UR/0000/66/000/000/0162/0167

AUTHOR: Orlov, B. D. (Candidate of technical sciences); Dmitriyev, Yu. V. (Candidate of technical sciences); Voschedshenko, B. M. (Candidate of technical sciences)

ORG: none

50

B+1

TITLE: Spot welding of molybdenum

SOURCE: Moscow. Vyssheye tekhnicheskoye uchilishche. Avtomatizatsiya, mekhanizatsiya i tekhnologiya protsessov svarki (Automation, mechanization and technology of welding processes) Moscow, Izd-vo Mashinostroyeniye, 1966, 162-167

TOPIC TAGS: molybdenum alloy, ^{metal} molybdenum-alloy welding, molybdenum-alloy spot welding

ABSTRACT: Spot welding of molybdenum presents serious difficulties because the melting temperature of molybdenum is much higher than that of electrode alloys. In view of this fact, several variants of spot welding VM-11 and TsM-11 molybdenum alloy sheets 0.3—1.5 mm thick were tested. The most promising results were obtained with projection welding and the use of insulating inserts made of mica, aluminum oxide, zirconium dioxide, or a mixture of zirconium oxide with glass. Projections must be made on a soft backing (aluminum, copper) to prevent cracking of molybdenum sheets. To protect the electrode, sintered molybdenum foils 0.1 mm thick are inserted

Card 1/2

L 02970-67

ACC NR: AT6032628

between the electrodes and sheets. With these precautions, satisfactory quality welds were obtained. Welds with 4.3—4.4 mm nugget diameter failed at room temperature in a brittle manner under a load of 210—265 kg. The strength increased with increased temperature, and at 500C the fracture became ductile and occurred under a load of 220—270 kg. Orig. art. has: 3 figures and 2 tables.

SUB CODE: 13, 11/ SUBM DATE: 14May66/ ORIG REF: 002/ ATD PRESS: 5099

Card 212 eafh

L 21032-66 EWP(e)/EWT(m)/EWP(j)/T WW/DJ/GS/RM/WH
ACCESSION NR: UR/0000/65/000/000/0134/0138
AT5020438

AUTHORS: Oparina, Ye. M.; Sentyurikhina, L. N.; Dmitriyova, V. G.; Pisarevskaya,
Ye. E.; Petrova, L. N.

TITLE: High temperature lubricants based on dyes

SOURCE: AN SSSR. Nauchnyy sovet po treniyu i smazkam. Teoriya smazochnogo
dovystviya i novyye materialy (Theory of lubricating action and new materials).
Moscow, Izd-vo Nauka, 1965, 134-138

TOPIC TAOS: lubricant, dye based lubricant, lubricant additive, TsiATIM 221a
lubricant, PFMS 4 silicone fluid, ETs 3 centrifuge, FM1322/300 silicone fluid

ABSTRACT: Lubricants based on dyes which are stable up to 350°C were investigated.
Polymethylphenyl-siloxane liquids with different methyl and phenyl group ratios
(E.M. Oparina i dr. Khimiya i tekhnologiya topliv i masol, 1961, No. 1) were used
as the dispersion media. It was found from the volumetric mechanical properties
that vat dyes blue "K," indigo, dioxyviolanthrone, and dimethoxyviolanthrone have
weak thickening properties while the other dyes (pigment "SA" vat dyes blue "N,"
"O," and isoviolanthrone) form lubricants which are similar in mechanical properties
and colloidal stability to silicone lubricants (TsiATIM-221a, for example). To

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ACCESSION NR: AT5020430

8

determine storage stability and high temperature stability, the lubricants were tested by the KSA method (350 gm load) and on heated centrifuge ETa-3 (at 150°C for 5 hours) respectively. It was found that with PFMS-4 fluid the colloidal stability of good thickening dyes was better than that of less effective thickeners and comparable to TsIATIM-221a.¹¹ Percent weight loss of lubricant based on different fluids (using pigment SA) was found to be 3.0, 4.2, 6.3 and 11.0% at 250°C and 0, 17.1, 18.0 and 29.1% at 300°C for PFMS-4, copolymer 2/300,¹² copolymer 3, and FM1322/300 fluids respectively. It was also found that the plastic properties, i.e., effective viscosity and strength of isoviolanthrone-based lubricants (after heat stabilization), were practically unchanged after 1000 hrs at 150°C. Indanthrene and isoviolanthrone silicone lubricants were tested in ball bearings¹³ at high speeds ($D_h = 300\ 000$ mm rev/min) at 150°C and 15000 kg/cm² and were found inferior to TsIATIM-221 lubricants. At lower speeds (to 10000 mm rev/min) and low loads the above lubricants operated longer than 1500 hours at 200°C. Dyes can be used as thickeners in conjunction with graphite and molybdenum disulfide,¹⁴ giving up to 2500 hrs of service at 200°C, 100 rpm, and 20000-25000 kg/cm² (lubricant NK-50¹⁵ fails after 8-10 hrs under these conditions). At lesser speeds and loads service of 3000 hrs at 350°C can be obtained. Orig. art. has: 4 tables.

ASSOCIATION: Nauchnyy sovet po treniyu i smaskam, AN SSSR (Scientific Committee on Friction and Lubrication, AN SSSR)

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"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410013-7

L 21032-66
ACCESSION NR: A5020138

SUBMITTED: 22May65

ENCL: 00

SUB CODE: FP

NO REF Sov: 001

OTHER: 000

3/3 BK

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410013-7"

DIMITROV, A., inzh.

One instead of several . Nauka i tekhnika mladezhi 15 no.10;
3-4 0'63.

DIMITROV, A.

Water supply for stock farms with hydraulic equipment and automatic
water feeders. p. 13. Experiments with "electric shepherd." p. 16.
MASHINIZIRANIE ZEMEDELII Vol. 7, no. 1, Jan., 1956. Sofiya, Bulgaria.

SOURCE: EAST EUROPEAN ACQUISITIONS LIST Vol. 5, no. 7, July 1956.

DIMITROV, A.

Automatic brake for guaranteeing safe movement of trains. p.16.
(TRANSPORTNO DELO, Vol. 9, no. 6, 1957, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 12, December 1957 Uncl.

DIMITROV, A.

Radio Station Urozhai-B. p. 8.

Vol. 6, no. 11, Nov. 1955
MASHINIZIRANO ZEMEDELIE
Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 4 April 1956

DIMITROV, A.

"New type of radiotelephone installations."

p.39 (Transportno Delo, Vol. 10, no. 3, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

DIMITROV, A.

Method for preventing underground cables from corrosion. p. 22.

TRANSPORTNO DELO. Vol. 8, no. 4, 1956

Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 6, No. 1, January 1957

STOIANOV, K., prof.; ARNAUDOV, D., dotsent; CHETRAFILOV, D.; DIMITROV, A.

Surgery in the newborn infant. Khirurgiia 15 no.11:989-990
'62.

1. Nekotorye statisticheskiye dannye iz deinstvostta na detskoto
khirurgicheskogo otdeleniya kum Katedrata po bolnichnoi khirurgii
pri ISUL [Institut za spetsializatsiia i usuvurshenstvuvane
na lekarite].
(INFANT NEWBORN DISEASES)

MIKHAILOV, M.; ANGELOVA, G.; DIMITROV, A.

Study of the intensity of labor in plant growing in order
to select the most efficient mechanization. Izv mekh selske
stop BAN no. 329-69 '62.

DIMITROV, Al. (Sofia)

How I taught the section on entire algebraic expression in the
7th grade without formulas of short multiplication. Mat 1 fiz
Bulg 6 no.3:36-41 My-Je '63.

U

DIMITROV, A.

"Prime Tasks of Light and Food Industries." p. 1,
(LEKA PROMISHLENOST, Vol. 3, No. 1, 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4
No. 5, May 1955, Uncl.

Dimitrov,

BULGARIA / Microbiology. Sanitary Microbiology.

P-4

Abs Jour: Referat Zh.-Biol., No 6, 25 March, 1957, 21918

Author : Dimitrov

Inst :

Title : Mass Food Infection Brought About by *Salmonella typhimurium*.

Orig Pub: Svrem. med., 1956, 7, No 2, 39-48

Abstract: No abstract.

Card : 1/1

-3-

DIMITROV, A.

"Concerning the Fruit Culture in the District of Burgas."

p. 10 (Kooperativno Zemedelie, No. 7, July 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 11,
Nov. 1958

Dimitrev, A.

Country : BULGARIA H-28
Category : Chemical Technology, Food Industry
Res. Jour : Ref Zhur-Khimiya, No 14, 1959, No 51434
Author : Dimitrev, A.
Institute :
Title : Food Industry (Bulgarian) During the Third
Five Year Plan
Orig Pub. : Khranit. prom-st, 1958, 7, No 11, 6-9
Abstract : No abstract.

Card: 1/1

Comments: 1. READING ROOM

DIMITROV, Atanas, d-r

A national conference on light and food industries. Durvomebel
from 6 no.1:5 Ja-F '63.

1. Predsedatel na Komiteta po lekata i khranitelna promishlenost.

DIMITROV, Atanas

Development of agriculture in Bulgaria and its capitalist
neighbors, Greece and Turkey. Selskostop nauka 2 no.7:871-
877 '63.

DIMITROV, Atanas

The welfare of cooperative farmers is rising. Selskostip nauka
2 no.10:1187-1195 '63.

DIMITROV, Aleksandar

Collagen diseases. Srpski arh. celok. lek. 84 no.2:
216-226 Feb 56.

1. I Interna klinika Medicinskog fakulteta u Beogradu.
Upravnik: prof. dr. Branislav Stanojevic.
(COLLAGEN DISEASES,
review (Ser))

DIMITROV, Aleksandar; POPOVIC, Petar

Preliminary experience with prednisone therapy. Srpski
arh. celok. lek. 84 no.10:1155-1158 Oct 56.

1. I Interna klinika Medic. fakulteta u Beogradu, Upravnik:
prof. dr. Branislav Stanojevic.
(PREDNISONE, ther. use
indic. (Ser))

SAVIN, Stevan; DIMITROV, Aleksandar; PAVLOVIC, Vera

Acetazolamide (diamox) in the treatment of congestive heart failure.
Srpski arh. celok. lek. 85 no.9:1007-1010 Sept 57.

Interna klinika A Medicinskog fakulteta u Beogradu. Upravnik: prof.
dr Branislav Stanojevic.

(ACETAZOLAMIDE, therapeutic use,
congestive heart failure (Ser))
(CONGESTIVE HEART FAILURE, therapy,
acetazolamide (Ser))

SLAVKOVIC, Jovan; PETKOVIC, Sava; BORISOV, Dorde; KOVACEVIC, Miroslav; DIMITROV,
Aleksandar

Pheochromocytoma with paroxysmal hypertension and acute pulmonary
edema. Srpski arh. celok. lek. 88 no.1:75-86 Ja '60.

1. Interna klinika A Medicinskog fakulteta Univerziteta u Beogradu,
Upravnik: prof. dr Branislav Stanojevic; Urološka klinika
Medicinskog fakulteta Univerziteta u Beogradu, Upravnik: prof.
dr Sava Petkovic.

(PHEOCHROMOCYTOMA compl.)
(HYPERTENSION etiol.)
(ADRENAL GLAND neopl.)
(PULMONARY EDEMA etiol.)

L 41786-65 IWT(1)/EPA(s)-2/EBC(t)/T/SEC(b)-2 Pt-7/R1-4/P1-1 IJP(c) (IG
ACCESSION NR: AT5004295 8/25/83/64/012/01-0013/0022 33

AUTHOR: Dimitrov, Al.; Kunev, St.; (Kynay, S.) B+1

TITLE: Investigation of the influence of a high-frequency electrical field on photodielectric losses in cadmium sulfide crystals

SOURCE: Bulgarska akademiya na naukite. Fizicheski institut. Izvestiya na Fizicheskiy institut s ANB, v. 12, no. 1/2, 1964, 13-22

TOPIC TAGS: electrical field, semiconductor crystal, cadmium sulfide crystal, photodielectric loss, infrared extinction

ABSTRACT: This paper is an investigation of the influence of a high-frequency electrical field on the magnitude of photodielectric losses and corresponding electron processes occurring in cadmium sulfide single crystals subjected to illumination. This influence was determined by a study of the dependence of photodielectric losses on E' for different intensities of excitation in different crystals. A study was also made of the dependence of infrared extinction in photodielectric losses on E' . On the basis of these experimental results and some theoretical considerations, it is demonstrated that a high-frequency electrical field can exert an appreciable influence on the photodielectric losses in crystals.

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ACCESSION NR: AT5004295

This influence is expressed by the presence of minima and maxima in the dependence of the equivalent photodielectric losses of high-frequency conductivity on the strength of the high-frequency field (Fig. 1 of the Enclosure). The number and the height of the maxima and minima are dependent on the characteristics of the investigated crystal. The results can be explained by proceeding on the assumption that the regions of rupture in the crystals play a significant role in photodielectric losses and that the high-frequency field can release electrons from these regions. Orig. art. has: 6 figurus.

ASSOCIATION: Noma

SUBMITTED: 30Aug63

ENCL: 01

SUB COMK: Bl. 68

NO REF SOW: 008

OTHRS: 006

Card 2/3

DIMITROV, Atanas

To a new uplift of light industry. Leka promishl 2 no.1:5-7 '53.

1. Ministur na lekata promishlenost.

Gonatics

BULGARIA

DIMITROV, B. Methodie Popoff Institute of Plant Physiology, Bulgarian Academy of Sciences

"Chromosome Distribution in Reductinal Groupings Obtained with Colchicine Treatment"

Sofia, Doklady Bolgarskoy Akademii Nauk, Vol 19, No 5, 1966, pp 421-424

Abstract: /English article/ The cytological characteristics of the processes of segregation and reduction of the somatic chromosomes are not very well clarified yet. There exists almost no information on a number of basic problems, as is the case with the distribution of the chromosomes in the reductinal groupings and its dependence on the concentrations of the chemicals used. Consequently, the author describes here his research in this field using peas of the "Earliest of All" variety. Primary roots 2.5 to 3 cm long were treated with colchicine solution at 5 °C and at various intervals - 8, 16, 24, 48, 72, and 96 hours. The concentrations of the colchicine solution were 0.1, 0.05, 0.01, and 0.005 per cent. The cytological investigations carried out indicate that the reductinal groupings obtained upon colchicine treatment possess a number of characteristics distinguishing them from those obtained by treating them with other chemical agents or low temperature. In the first place this is the absence of chromosome segregations in the prophase. There is a well expressed relationship between the concentration of colchicine and the duration of the effect on one hand, and the position of the

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Sofia, Doklady Bolgarskoy Akademii Nauk, Vol 19, No 5, 1966, pp 421-424

chromosomes in the reductional groupings on the other. The degree of differentiation of the reductional groupings is likewise directly dependent on the above factors. Other factors are the long duration of mitosis at the low temperatures used, peculiarities of the chromosome spiralization process, etc.. There are 12 Western references. (Manuscript received, 31 Jan 66.)

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BULGARIA

Plant Physiology

DIMITROV, B., Institute of Plant Physiology "Methodi Popov"

"The Colchicine Influence on the Morphology and Formation of Nucleoles"

Sofia, Doklady Bolgarskoy Akademii Nauk, Vol 19, No 6, 1966, pp 535-537

Abstract: [French article] The influence of colchicine on the morphology and formation of nucleoles has been investigated on the "earliest of all" variety of garden peas. The author describes the experimental procedures and presents the results which show, among others, an increased number of nucleoles in samples treated by colchicine. The added compound seems to inhibit the fusion of nucleoles. A discussion of the possible mechanisms leading to the observed results is also given. There are 3 Soviet and 8 Western references.
(Manuscript received, 31 Jan 66.)

1/1

DIMITROW, Boris

Lessons and conclusions from the automobile competitions with regard to the economy of liquid fuel. Transp delo 6 no.9/10: 64-75 '54.

1. N-k sektor pri upravlenie Avtomobilien transport.

DIMITROV, B.V.

The collective farm is growing and gaining strength. Sel'stroy. No.
no.7:9 Jl '56. (MLRA 9:9)

1.Predsedatel' kolleza imeni Khrushche Iskitimskogo rayona Nove-
sibirskoy oblasti.
(Iskitim District--Building)

L 15614-66 EWP(j) RM
ACC NR: AP6008210

SOURCE CODE: BU/0011/65/018/004/0343/0346

AUTHOR: Dimitrov, Chr.; Nikolov, L.

ORG: Department of Organic Chemistry, Sofia University, Sofia

TITLE: Geometric isomers of 3-phenylpentene-2

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 4, 1965, 343-346

TOPIC TAGS: isomer, isomerization, aromatic hydrocarbon, IR spectrum, chromatography

ABSTRACT:

3-phenylpentene-2 has been synthesized and described for the first time in 1903 by Klages (Berichte, 36, 1903, 3692). Later other researchers used 3-phenylpentene-2 as an intermediary product to obtain 3-phenylpentane. No attempts were made, however, to isolate the two geometric isomers of 3-phenylpentene-2 and hence the constants published for this non-saturated aromatic hydrocarbon should obviously be referred to the mixtures of the two stereoisomers. The present paper reports on the results obtained from the isolation, identification, and isomerization (in terms of

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B

L 15614-66
ACC NR: AP6008210

each other) of the two geometric 3-phenylpentene-2 isomers. The article presents all pertinent constants and gives the IR spectra and chromatograms of the two isomers. The paper was submitted by Academician D. Ivanov, 15 December 1964. Orig. art. has 4 figures. [JPRS]

SUB CODE: 07 / SUBM DATE: none / OTH REF: 009 / SOV REF: 001

T5
Card 2/2

BULGARIA

Lt. Col. D. DIMITROV, MC

"Some Causes of Health Impairment in Flyers During Flight."

Sofia, Voenno Meditsinsko Delo, Vol 18, No 1, Feb 1963; pp 51-56.

Abstract [Russian Summary modified]: Analysis of data on 103 flyers who had experienced sudden acute episodes of various syndromes during flight after having been pronounced medically fit for flight duty. Twenty should actually have been ineligible because of physical disease; 38 had nervous system difficulties; 15 vestibular hyperirritability. Of the 103, 72 had to be grounded eventually. Conclusion is mainly that stricter criteria of flight duty eligibility should be enforced.

1/1

DIMITROV, Doicho, inzh.; VULEVA, Emilia, inzh.; BEKLIAROV, Emil, inzh.

Effect of the factors determining the precision fo measurement
with the Bolshevik type slide gauge. Mashinostroene 12 no.4:
12-19 Ap '63.

1. Chlen na Redaktsionnata kolegiia, "Mashinostroene" (for
Bekiarov).

DIMITROV, Dragomir

Rationalizer and boiler maker Kiril Kushvaliev. Ratsionalizatsiya
13 no.6:17-18 '63.

DIMITROV, Doicho, inzh., st. prepodavatel

The new Bulgarian State Standard 782-62: "Roughness of surfaces". Ratsionalizatsia 13 no.9:30-34 '63.

1. Mashinno-elektrotekhnicheski institut, i chlen na Redaktsionnata kolegiia, "Ratsionalizatsia standartizatsia".

DIMITROV, Dimcho Il.

Oxidation of aromatic hydrocarbons with potassium permanganate. 2. The influence of the medium upon the direction of the oxidizing disintegration or n-butylbenzene and toluene. Godishnik khim tekh 5 no.2:51-62 '58 (Publ. '60).

DIMITROV, Doicho, inzh., st. prepodavatel

Control of surface roughness, an important condition for introducing the Bulgarian State Standard 782-62.
Ratsionalizatsiya 14 no. 3:31-37 '64.

1. Machinery and Electrotechnical Institute, and Member of the Board of Editors, "Ratsionalizatsiya standartizatsiya".

STOIANOV, K., prof.; DIMITROV, D., dots.; DEAGOICHEV, Ch., dots.; GENOV, Iv.;
MARINOVA, L.; TODOROV, B.

Use of extracorporeal circulation in the USUL Cardiovascular
Surgery Clinic. Khirurgiia (Sofiia) 16 no.9:785-792 '63.

1. Institut za spetsializatsiya i usuvurshenstvuvane na lekarite,
klinika po surdechno-sudova khirurgiia, Sofiia. Direktor: prof.
K.Stoianov.

*

DIMITROV, D. (Mikhailovgrad)

A modern workshop for motorless aircrafts is taking shape.
Aviats kosmonavt 6 no.63, 15 '64

DIMITROV, D.; ZLATEV, St.

Osteogenesis imperfecta congenita of the Vrolik type.
Akush.Ginek.3 no.3:79-82 '64.

SHTURKALEV, Il; DEMITSOV, D.

Our experience with Gravindex a rapid agglutination method
for early diagnosis of pregnancy. Akush. ginek. (Sofia) 3
no.6:1-9 '64.

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410013-7

KRISTANOV, TS.; DIMITROV, D.

Problem of burns. Izv.Inst.sots.med., Sofia Vol.2:5-43 1950.
(CLML 20:6)

1. Academician Tsv.Kristanov and Dr. D.Dimitrov.

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410013-7"

Bulgaria/Medicine - Antibiotics

Jun 52

"The Application of Gramicidin S, INZ for the Treatment of Purulent Superficial Wounds of Osteomyelitis or Due to Other Causes," Dr. D. Dimitrov, Dr A. S. Toshkov, Sofia Med Acad V. Chervenkov

"Khirurgiya" Vol 5, No 3, 4, pp 237-241

The authors refer to Gramicidin S INZ as a highly active antibiotic, and advocate its use in the treatment of superficial purulent wounds, in chronic or subacute osteomyelitis caused by staphylococci, streptococci, pseudodiphtheria bacilli, and other

24OR19

agents. They recommend the use of Gramicidin S INZ in combination with sulfa drugs, streptomycin, penicillin, boric acid, etc. in the treatment of mixed microflora infections.

24OR19

DIMITROV, D.

DIMITROV, D.

Gunshot osteomyelitis of the pelvis and its therapy. Khirurgiia,
Sofia 8 no.4:289-295 1955.

1. Vissh meditsinski institut V. Chervenkov--Sofiia Klinika po
operativna khirurgiia s topografska anatomiia. Vr. direktor:
prof. G. Kapitanov.

(WOUNDS AND INJURIES,

gunshot, of pelvis, causing osteomyelitis)

(OSTEOMYELITIS,

pelvis, caused by gunshot wds)

(PELVIS, wounds and injuries,

gunshot, causing osteomyelitis)


DIMITROV, D.; IVANOV, R.

Diagnostic difficulties in Schoenlein-Henoch disease and its surgery.
Khirurgia, Sofia 8 no.7:671-672 1955.
(PURPURA, NONTHROMBOEMIC,
diag. & surg.)

DIMITROV, D.

MISHEV, P.; DIMITROV, D.; KOLIKOVSKI, N.

Treatment of pain syndrome in wounds of the peripheral nerves.
Khirurgiia, Sofia 8 no.9:793-798 1955.

1. Vissz meditsinski institut I.P.Pavlov, Plovdiv fakultetska
khirurgichna klinika. Direktor: prof. D. Ploskov, Vissz meditsinskii
institut V.Chervenkov, Sofia katedra po operativna khirurgiia s
topografska anatomia. Vr.zav.katedrato: prof. G.Kapitancv.

(WOUNDS AND INJURIES,

nerves, peripheral, ther. of pain synd.(Bul))

(NERVES, PERIPHERAL, wounds and injuries,

ther. of pain in (Bul))

DIMITROV, D.; KOLIKOVSKII, N.

Certain data on gunshot wounds of the peripheral nervous system during the Korean war. Kirurgiia, Sofia 8 no. 9:798-802 1955.

1. Vissz meditsinski institut V.Chervenkov, Sofiia. Katedra po operativna khirurgiia s topografska anatomiia. Vr.zav. katedrata: prof. G.Kapitsnov.

(NERVES, PERIPHERAL, wounds and injuries,
gunshot, in Korea (Bul))
(WOUNDS AND INJURIES,
gunshot of nerves, peripheral (Bul))

DIMITROV, D.; IGNATOV, N.

Early surgical treatment of pseudarthrosis and of bone defects following gunshot wound using osteoplastic method. Khirurgia, Sofia 9 no.4:320-331 1956.

1. Vissz meditainski inst. V. Chervenkov--Sofia Klinika po operativna khirurgija i topografichna anatomija. Vr. direktor: dots. R. Rainov. Klinika po ortopedija i travmatologija. Direktor: prof. B. Boichev.

(BONES, wounds and injuries,
gunshot wds. causing pseudarthrosis & other lesions;
osteoplasty (Bul))

(PSEUDARTHROSIS, surgery,
osteoplasty of gunshot pseudarthrosis (Bul))

DIMITROV, D.; IGNATOV, N.

Results of extraction of foreign bodies in gunshot injuries
during the Korean war. Khiturgia, Sofia 9 no.9:811-816
1956.

(WOUNDS AND INJURIES, surgery
gunshot wds., for. body extraction (Bul))
(FOREIGN BODIES, surgery,
extraction in gunshot wds. (Bul))

DIMITROV, D.

New method of construction of the abdominal wall. Khirurgiia, Sofia 10
no.11:987-991 1957.

1. Vissz meditsinski institut - sofiia katedra po operativna zhirurgiia
i topografska anatomiia. Zav. katedrata: dos. P. Rainov.
(HERNIA, VENTRAL, surgery,
reconstruction of abdom. wall (Hun))

DIMITROV, D.

Calcinous cholecystitis with severe pancreatic injury. Khirurgija,
Sofia 12 no.1:67-69 1959.

1. (Iz Katedrata po operativnoj khirurgiji s topografskoj anatomiij
pri VMI--Sofija).

(PANCREAS, wds. & inj.

with calculus cholecystitis (Bul))

(CHOLELITHIASIS, compl.

cholecystitis & pancreatic wds. (Bul))

DIMITROV, D.

Unusual case of echinococcosis of the m. proas. Khirurgiia, Sofia
12 no.7:658 '59.

1. Iz Katedrata po operativna khirurgiia i topografska anatomiia
pri VMI - Sofia.
(ECHINOCOCCOSIS case reports)
(BUTTOCKS dis.)

DIMITROV, D.; MALAMOV, E.; GENOV, Iv.; DENEV, B.

Our experience with surgical therapy of mitral stenosis. Suvrem med.,
Sofia no.7-8:26-38 '60.

1. Iz Katedrata po propedevtika na khirurgicheskite bolesti (Rukov.
na katedrata prof. G.Kapitanov) i Katedrata po bolnichna terapiia
(Rukov. na katedrata prof. Al.Pukhlev)
(MITRAL STENOSIS surg)

DIMITROV, D.; GENOV, Iv.; MALAMOV, E.; DENEV, B.

Certain results after surgical therapy of mitral stenosis in the cardiovascular ward of the VMI Clinic of Propedeutic Surgery in Sofia. Khirurgiia, Sofia 14 no.2/3:189-191 '61.

1. Surdechno-sudovo otdelecie pri propedevtichnata khirurgichna klinika pri Visschia meditsinski institut, Sofiia.

(MITRAL STENOSIS surg)

DIMITROV, D.; GENOV, Iv.

An interesting case of adhesive pericarditis. Khirurgia 15
no.8:772-775 '62.

1. In Propedevtichnata khirurgichna klinika pri VMI [Viessh
meditsinski institut] - Sofia.
(PERICARDITIS)

DIMITROV, D.; NATAN, V.

Oxidation of fatty monocarboxylic acids with potassium permanganate in various media. *Godishnik khim tekh* 8 no.2: 127-134 '61 [publ. '62].

DIMITROV, D., dotsent; DRAGOICHEV, Ch., dotsent

Deep hypothermia in cardiac surgery. Khirurgiia 15 no.9/10:
883-885 '62.

1. Iz Klinikata po surdechno-sudova khirurgiia pri ISUL [Insti-
tut za spetsializatsiya i usuvurshenstvuvane na lekarite.
(HEART SURGERY) (HYPOThERMIA INDUCED)

DIMITROV, D.; GENOV, Iv.; JORDANOV, I.; DAVIDOV, S.; KOLEV, L., inzh.;
ZOGRAFCV, Iv., inzh.

Preliminary data on experimental studies on extracorporeal
circulation with our apparatus. Khirurgia 15 no.9/10:895-899
'62.

1. Iz Katedrata po propedevtika na khirurgichnite zaboliavaniia
pri VMI [Vissh meditsinski institut] - Sofiia.
(HEART MECHANICAL)

DIM' ROV, D.; FRATEV, F.

Electron absorption spectra in the colored complexes of
aromatic compounds with NaNO_2 and concentrated H_2SO_4 .
Godishnik khim tekhn 9 no. 1:1-19 '62 [publ. '63].

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410013-7

IVANOV, I.; DIMITROV, D.; IVANOVA, A., tekhn. sutr.

Estrogens and the hemogram. Skush. ginek. (Sofilia) 3 no.4
61-65 '64

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410013-7"

DIMITROV, D., dozent

Achievements and prospects of cardiovascular surgery.
Khirurgiia (Sofija) 17 no.4:395-404 '64

A case of intrapericardial ligation of pulmonary vessels.
Ibid. 24:77-78

1. Iz Katedrata po propedevtika na khirurgichnite zabolis-
vaniia pri Viash meditsinski institut, Sofija.

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410013-7

SHTURKALEV, Il.; DIMITROV, D.

On a new immunological test used in the early diagnosis of pregnancy. Comparison with the Galli-Mainini test. Akush. ginek. (Sofiia) 3 no.5:16-20 '64

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410013-7"

DIMITROV, D., detsenij; TODOROV, B.; KALCHEV, K.. inzh.

Use of 2 types of heat-exchangers in deep hypothermia. Khirurgija (Sofia) 17 no.5:517-528 '64

1. Institut za spetsializatsiya i usuvarevshenstvuvane na lekarite klinika po surdechno-sudova khirurgija (Direktor: prof. K. Stolancev).

DIMITROV, D., detsent; MARINOVA, I.; DASKALOV, N.

Anomalous superior vena cava and its role. Khirurgija (Sofija)
17 no.5:606-611 '64

1. Iz Katedrata po bolnichna khirurgija s kl. na so surde' o
sudovati khirurgija, Inst. tut za spetsializatsii i usuvet =
shenstvuvane ne lekarite, Sofija.

NISHEV, M.; KRUSTEVA, M.; DIMITROV, D.

Preparation of high-purity ammonium chloride by the wet method
and from Bulgarian raw materials. Khim i industriia 36 no.9:
347-350 '64.

CHAMOV, P.; DIMITROV, D.

Essential thrombopenia, meno-metrorrhagia and sterility.
Akush. ginek. (Sofiia) 4 no.3:210-217 '65.

I. Vissht meditsinski institut, Sofiia, Katedra po akusherstvo
i ginekologija (rukov.: prof. Il. Shturkalev).

DIMITROV, D.

Embolism during mitral commissurotomy. Khirurgiia (Sofiia)
18 no.5:543-548 '65.

1. Katedra po bolнична хирургия (руководител - проф.
К. Stoianov), Institut z spetsializatsiia i usuvurshen-
stvuvane na lekarite, Sofiia.

DIMITROV, D.; GEORGIEV, L.; DASKALOV, E.

New examination methods in heart diseases. Suvr. med. (Sofia)
16 no.9:552-557 '65.

1. Katedra po surdechno-mudova khirurgija (rukoveditel - prof.
K. Stoianov), Institut z spetsializatsiia i usuvurshenstvuvane
na lekarite, Sofia; Baza III gradska ob. bolnitsa, Sofia,
(glaven lekar M. Kutov).

Aerospace Medicine

BULGARIA

DIMITROV, D., Colonel of the Medical Service; Aviation Medical Scientific Research Institute (Chief Col L. Yanchev)

"Etiopathogenesis of Neuroses Among Flight Personnel"

Sofia, Voenno Meditsinsko Delo, Vol 22, No 1, Jan 67, pp 21-27

Abstract: The etiopathogenesis of neuroses that affected 127 pilots who had been treated during the past seven years at the Aviation Medical Institute was studied. Although individual factors connected with the personal life of the fliers and their health before they engaged in flying had a contributory effect, the etiological background that led to development of neuroses was in 81% of cases related to flying. Overexertion during flying or in activities connected with flying was the principal cause of neuroses (32 cases) followed by flight accidents or observation of such accidents (20 cases) and loss of consciousness during flights or culmination of a distono-vegetative crisis in a paroxysmal stage because of failure to maintain proper conditions in the period immediately preceding a flight or by reason of ill health (9 cases). In 28.3% of cases factors weakening the nervous system were present, such as excessive use of alcohol, excessive smoking, traumas of the skull and brain at an early age, failure to build

1/2

DIMITROV, D.

Use of glyocorticoids in some blood diseases complicating pregnancy. Akush. ginek. (Sofia) 3 no.4:109-114 '64

DIMITROV, D.; SHTURKALEV, Il.

Hereditary spherocytosis, pregnancy and labor. Akush. ginek.
(Sofiia) 4 no.2:103-112 '65.

l. VMI, Sofiia, Katedra po akusherstvo i ginekologiiia (ruko-
voditel: prof. Il. Shturkalev). Submitted April 1964.

DIMITROV, D.; PAVLOV, TSv.; RUMYANTSEV, I.; BYKOVSKIY, ...

Rhythm disorders in intracardial V-type blocks in the presence
of patent ductus **aorticus**, article submitted to the journal
of the pulmonary artery. Kardiologiya no.3 1988 881-895.

(MLA 18:10)

1. Kafedra bol'ničnoj akademii (zav. - prof. N.A. Kryzhevsky)
klinika serdечно-судистых болезней и артериовенозных fistuloj
ctoželentse Gorodskoy ob'yedinennoj bol'ničej (glavnyj lekar -
dekor M. Kytov), Sofiya.

DIMITROV, D.

"Cold Spells and Frost in Late Spring and Early Autumn in Bulgaria", p. 1,
(GEOGRAFIJA, Vol. 4, No. 5, 1955, Sofiya, Bulgaria)

SO: Monthly List of East European Accesions, (NEAI), LC, Vol. 4, No. 1,
Jan. 1955, Uncl.

Dimitrov, D.

"All-Union Conference on Climatology in the Soviet Union" P. 21
(GEOGRAFIIA, Vol. 4, No. 7, 1954 - Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 4,
Apr. 1955, Uncl.

DIMITROV, D.

DIMITROV, D. Tornado. p. 22.

Vol. 5, no. 8, 1955

GEOGRAFIJA

Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 4 April 1956

DIMITROV, D.

Synoptic situation connected with a case of very bad weather in Bulgaria in the middle of May 1954. p. 123.
(Priroda I Znanie, Vo. 49, no. 3, 1954/55 (published 1956)).

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957. Uncl.

DIMITROV, D. ; CHOMFOV, S.

Preparation for Internation Geophysical Year and study of the Anarctic.
p. 17.

Vol. 5, no. 9, 1955
GEOFRAFIJA
Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 4 April 1956

DIMITROV, D.

Severe atmospheric phenomena in Bulgaria during 1956. p. 11.
(Geografiia, Vol. 7, no. 3, 1957. Sofiia, Bulgaria)

SO: Monthly List of East European Accessions (EWAL) LF, Vol. 6, no. 10, October 1957, Uncl.

DIMITROV, D.

DIMITROV, D. Notes on the synoptic conditions of the overflowing of the Arda and Struma rivers, February 13-14, 1956. p. 36. No. 3, 1956 KHLROLOGIJA I METEOROLOGIIA. Sofiia, Bulgaria.

SOURCE: East European Accessions List (EEAL) Vol. 6 No. 4 April 1957

DIMITROV, D.

Rain from a clear sky. p. 23.
GEOGRAFIJA, Sofiya, Vol. 6, no. 1, 1956

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6 June 1956,
Uncl.

DIMITROV, D.

DIMITROV, D. Why it rains more in the mountains. p. 22

Vol. 6, No. 7, 1956

CECGRAFIJA

GEOGRAPHY & GEOLOGY

Sofia, Bulgaria

So: East European Accession, Vol. 6, No. 2, February 1957

DIMITROV, D.; ILIEVA, P.

Control of the productivity on the cattle-raising farms. p. 24.
(Kooperativno Zemedelie, Vol..(12) no. 3, Mar. 1957. Sofiia, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

DIMITROV, D.; RETSIMSKI, P.

On the study of underground water in Bulgaria. p. 66
Khidrologia i meteorologija No. 2, 1958, Sofia, Bulgaria

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 10,
Oct. 58

DIMITROV, D.

"Concerning some characteristics of the late spring and the beginning of autumn frost and the white frost which accompanies it"

P. 1 (Priroda I Znanie, Vol. 11, nos. 1-3, Jan.-Mar., 1958 Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 7, July 1958

DIMITROV, Dimitur Y.
SURNAME (in caps); Given Names

Country: Bulgaria

Academic Degrees: Docent

Affiliation: Member of the staff of Geografiya, Editor: Tyanko YORDANOV

Source: Sofia, Geografiya, No 2, 1961, pp 1-3 and 22-23

Data: "The "climate and National Economy of Bulgaria." (pp 1-3)

"Kiro T. KIROV (Obituary)" (pp 22-23)

DIMITROV, Doicho D., inzh.

A relative method of computing the eccentricity of the pole
of Archimedes' spiral. Tekhnika Bulg 12 no. 10:25-27 '63.

1. Mashinno-elekrotekhnicheski institut.

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410013-7

DZHIDZHEV, Iordan, inzh., DIMITROV, Dimitur; TARINSKI, Ivan, inzh.;
DAFINOV, Ivan, inzh.

Plating of metallic molds for cast-iron castings. Tekhnika
Bulg 13 no.10:5-8 '64.

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410013-7"

DIMITROV, D.

BULGARIA/Chemical Technology. Chemical Products and Their I-8
Application. Ceramics. Glass. Binders. Concrete.

Abs Jour : Ref Zhur-Khimiya, No 2, 1958, 5307.
Author : Dimitrov D., Ruschev D., Belichev P., Donchev M.
Inst : Chemico-Technological Institute.
Title : Adsorptive and Decolorizing Properties of
Some Natural Bulgarian Silicates.
Orig Pub : Godishnik Khim.-tekhnol. in-t, 1955, (1956), 2,
No 1, 113-125.
Abstract : A study of 14 Bulgarian natural silicates (clays,
kaolins, trass and kieselguhr) after thermal act-
ivation in the temperature range from 110 - 400°
and after acid activation with HCl or H₂SO₄ at
a concentration from 1 to 20%. Adsorptive ca-
pacity was checked by the benzene method and
decolorizing power -- by decolorization factor.
Card : 1/2

BULGARIA/Chemical Technology. Chemical Products and Their
Application. Ceramics. Glass. Binders. I-8
Concrete.

Abs Jour : Ref Zhur-Khimiya, No 2, 1958, 5307

Abstract : Optimal temperature of thermal activation
differs for individual natural silicates and
varies from 150 to 400°, while optimal con-
centration of the acid, on acid activation,
varies from 1 to 10%.

Card : 2/2